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Precaution

BE SURE TO READ THIS PRECAUTION
BEFORE USE TO PREVENT ACCIDENTS OF USERS.

- Upon running or parking, adjust the volume so that you can hear external sound.
- Upon stop, if starting this product after switching off the ignition, pay attention to an electric discharge.
- Avoid moisture.
- The function of this product is subject to change without prior notice.

- This product is compatible with the NTSC/PAL system.

- **RESET KEY**
When screen operation is not enabled or other problems occur, press the RESET key.
Or, when this product does not operate normally, press the RESET key.
Press the key with a sharp drill or a ball-point pen.

Precaution

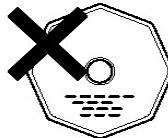
BE SURE TO READ AND UNDERSTAND THE FOLLOWING
MATTERS FOR SAFE DRIVING AND TO AVOID PRODUCT DAMAGES.

- Do not install and fix the DVD or VIDEO screen at a visible position from drivers to avoid accidents.
- The rear video outlet of this product can be connected to the display unit so that passengers at rear seats can view DVD or VIDEO CD.
- This product requires(common-cathode)DC12V.
- When a heavy impact is applied, there may occur a problem in product operation.
- Do not put this product near conductors.
- Do not repair and alter/remodel this product for other uses.
- Do not install this product at a visible position from drivers to reduce danger of accidents and avoid violation of related laws.
- Keep it in mind that, in some countries, drivers or passengers in a vehicle are not allowed to view the screen of televisions or other monitors in law.

Usage of DISK

THE FOLLOWING ARE PRECAUTIONS WHEN USING A DISK.

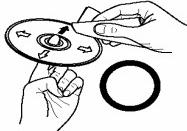
- Although playable, a disk in a peculiar form(Heart shape, a shape other than circles, etc.) can not be played. Such disks cause player troubles.
- This product requires use of 12cm circular disks only.



- For all disks, check damage, scratch, and warp before use.
- When handling disks, be careful so that the recording side of disks is not touched by hands or other alien materials.



- Avoid direct rays of light or high temperature.
- When using a heater in a vehicle in cold winter, the product may be condensed.
- Do not forcibly insert and remove disks.
- Do not clean the disk surface with thinner, benzene, and other chemicals.
- If the road surface is irregular, there may occur a problem in the play of this product.
- Slowly polish contaminated disks with soft, well-dried cloth.



Before you begin

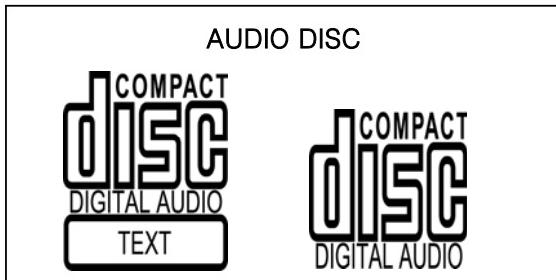
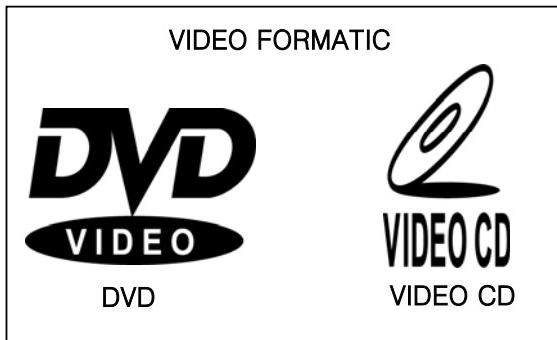
This product can be applied to DVD, TV, RADIO, CD, MP3 CD and VCD.

Since region codes differ according to countries, products with different region codes can not be used. See the following features:

Multi Audio	Freely supported in a variety of audio systems recorded.
Multi Aspect	Convertible in wide screen, letter box and Pan & Scan display.
Multi Subtitle	Able to support various subtitle languages.
Mutil Angle	Able to look and listen within various angles.
Repeat Play	Able to enjoy play of screens repeatedly.
Still Image	Still image and image play by frame enabled.
Play of Slow Motion	Able to play slow motion.
PBC function Video CD	Able to use video CD supporting PBC function. However, this function limits only to video CD V2.0
Dolby Digital	Able to provide such sound quality as to enable users to enjoy DVD movies or music supporting 5.1 channel function just like at a theater. However, this function limits only to DVD titles enabling 5.1 channel support.
	Able to enjoy movies or music supporting DTS function. However, this function limits only to DVD titles enabling 5.1 channel support.
ID3 Function for MP3 Media	Supports ID3 OSD function in MP3 format media. However, D3 Type III JPEG information is not supported.

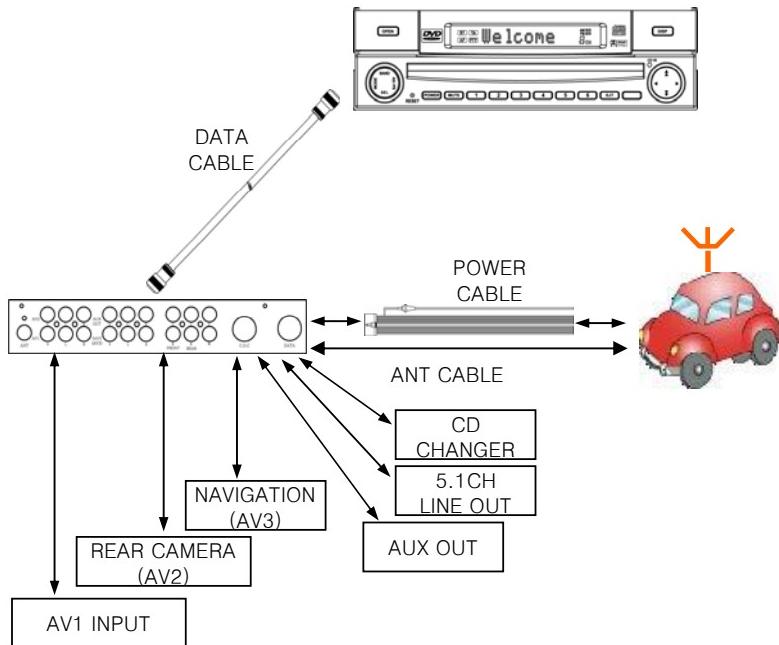
- ♣ Ref : There may be different functions on each VIDEO DISC & DVD DISC.
And some functions may not be operated.

Compatible DVD Discs



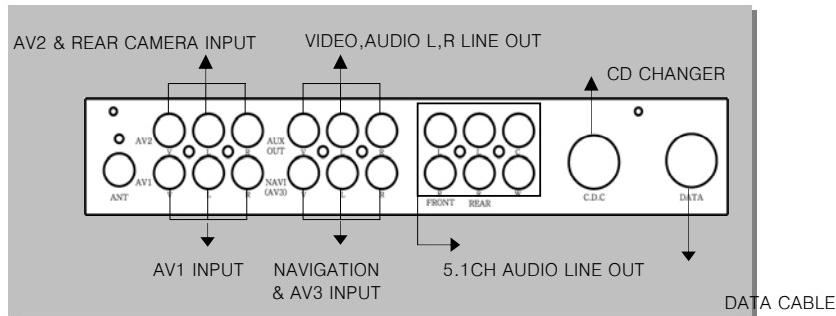
Installation In The CAR

* Cautions : Please separate Battery Units before setting products to prevent from fire and electric shock.

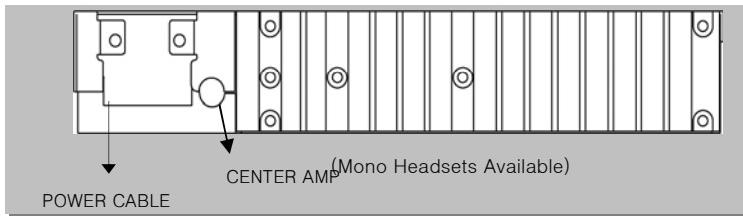


A/V BOX & DVD Instructions (Head Unit)

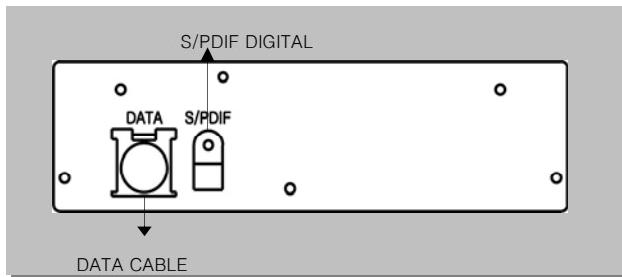
- AV BOX - FRONT



- AV BOX - REAR

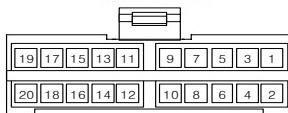


- DVD (HEAD UNIT)



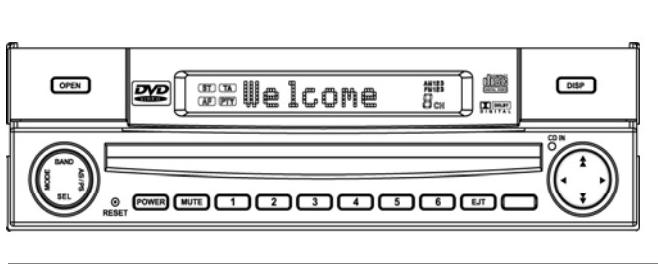
A/V BOX Power Cable Line

WIRE VIEW



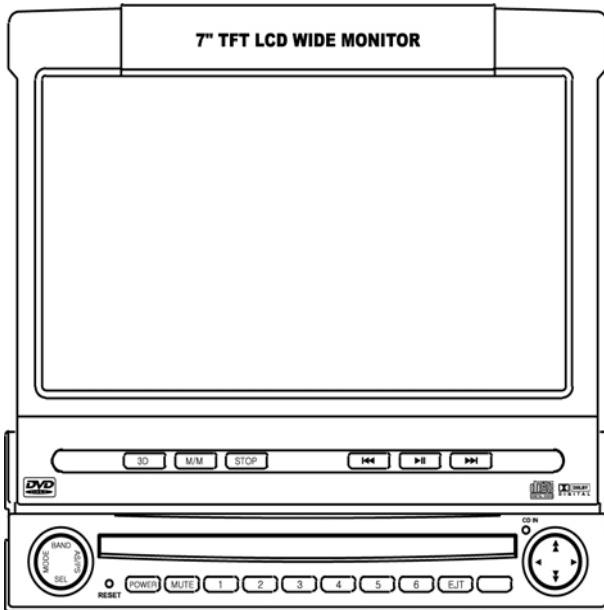
PIN NO	COLOR	CONNECT
1	VIOLET	REAR R+
2	VIOLET/BLACK	REAR R-
3	GRAY/BLACK	FRONT R-
4	GREEN	REAR L+
5	GRAY	FRONT R+
6	GREEN/BLACK	REAR L-
7	WHITE	FRONT L+
8	YELLOW	BACK UP(+14.4V)
9	WHITE/BLACK	FRONT L-
10	YELLOW	BACK UP(+14.4V)
11	BLACK/WHITE	SIDE BRAKE
12	NC	NO CONNECT
13	ORANGE/WHITE	ILL
14	NC	NO CONNECT
15	ORANGE	REAR CAMERA
16	BLACK	GND
17	RED	ACC
18	BLACK	GND
19	BLUE/WHITE	REMOTE
20	BLUE	AUTO ANT

Using the KEY



- OPEN** Monitor OPEN/CLOSE
- DISP** LCD Display (Time / Disply)
- BAND** Change on TV & RADIO Mode.
AS/PS : AUTO Search/ PROGRAM Search on TV & RADIO Mode.
- L/R** (Volume Control : 0 ~ 40), Move Cusor on DVD Mode,
UP/DW (TV/RADIO Search)
- RESET** Restart
- POWER** POWER ON/OFF
- MUTE** Turns On/Off Audio Outputs
- 1** Save in Memory No1 on TV/RADIO Mode.
And select Stored No1. DISC DOWN on CDC Mode.
- 2** Save in Memory No2 on TV/RADIO Mode.
And select Stored No2. DISC UP on CDC Mode.
- 3** Save in Memory No3 on TV/RADIO Mode.
And select Stored No3. TRACK DOWN on CDC Mode.
- 4** Save in Memory No4 on TV/RADIO Mode.
And select Stored No4. TRACK UP on CDC Mode.
- 5** Save in Memory No5 on TV/RADIO Mode.
And select Stored No5. ALL RANDOM on CDC Mode.
- 6** Save in Memory No6 on TV/RADIO Mode.
And select Stored No6. ALL REPEAT on CDC Mode.
- EJT** DISC Eject
- CD IN** It shows Signal of CD is inserted ,or not.

Using the KEY



3D 3D Stereo Surround on DVD Mode.

DVD Surround Off->Rock->Pop->Live->Dance->Techno
->Classic->Soft->Off

M/M Select play mode on DVD Mode (RANDOM,SINGLE,REPEAT ONE,
REPEAT FOLDER, FOLDER,CHAPTER REPEAT,TITLE REPEAT)
But it depends on Discs.

STOP Stop play on DVD Mode

◀◀ Track Down(Chapter) on DVD Mode

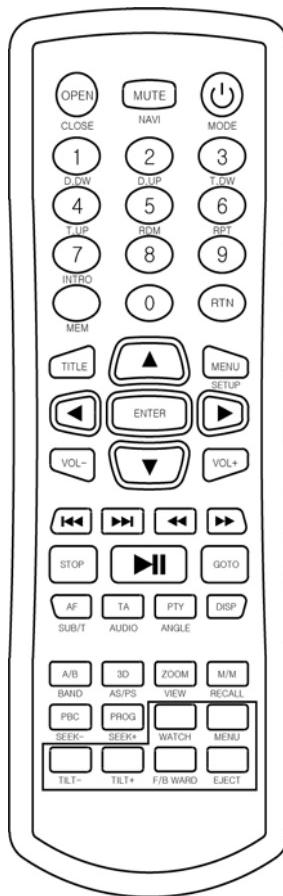
▶▶ Replay and Pause on DVD Mode

▶▶ Track Up(Chapter) on DVD Mode

* Ref : The above KEYS operate only on DVD Mode.

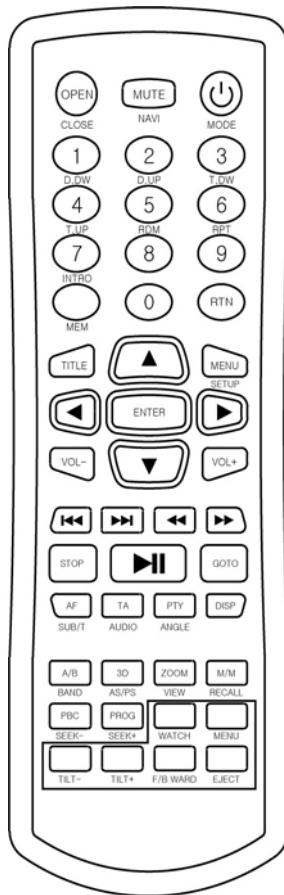
Remote control

	RADIO	TV	CDC	DVD
				Power ON/OFF & Change MODE
				Monitor OPEN/CLOSE
				Turns On/Off Audio & Change NAVI MODE
	No1 Memory CH	No1 Memory CH	DISC DOWN	NO 1
	No2 Memory CH	No2 Memory CH	DISC UP	NO 2
	No3 Memory CH	No3 Memory CH	TRACK DOWN	NO 3
	No4 Memory CH	No4 Memory CH	TRACK UP	NO 4
	No5 Memory CH	No5 Memory CH	Random Play	NO 5
	No6 Memory CH	No6 Memory CH	Replay	NO 6
			INTRO	NO 7
				NO 8
				NO 9
		Memorize		
				NO 0
				RETURN
				TITLE MENU
	Move			
				DVD MENU
				MENU ENTER
	Audio Volume			
				TRACK UP/DOWN
				FF/REW
				STOP
				PLAY /PAUSE
				Play& Replay
	AF(RDS) EU ONLY			SUBTITLE ON/OFF



Remote control

	RADIO	TV	CDC	DVD
TA AUDIO	TA(RDS) EU ONLY			AUDIO
PTY ANGLE	PTY(RDS) EU ONLY			ANGLE
DISP	FRONT LCD DISPLAY			
A/B BAND	BAND	BAND		A ▶ B
3D AS/PS	AS/PS	AS/PS		3D SOUND
ZOOM VIEW		LIST OF CH		ZOOM
M/M RECALL		BEFORE CH		REPLAY
PBC SEEK- SEEK+	SEEK-	SEEK-	PBC CONTROL	
	SEEK+	SEEK+		PROGRAM
WATCH	CLOCK ON/OFF			
MAIN MENU	MAIN MENU			
TILT- TILT+	MONITOR VISIBLE ANGLE			
F/B WARD	MONITOR DISTANCE CHANGE			
EJECT	EJECT			



Compatibility Of The Unit

Description of the Compatibility of the Product

For some DVDs, some operations may not be enabled depending on software characteristics. Also, a method of systematizing the dual operation mode title and chapter while playing with disks enabling menu operation may cause the function of repeated play not to be performed. In such a case, a mark of "Θ" is displayed. Such a mark may not be displayed in some disks.

The contents of a DVD consist of several titles, and a title is composed of several chapters. A single product recorded with DVDs corresponds to a single title with several scenes (chapters).

However, some disks may not be produced as above according to the intention of DVD producers.

The contents of VIDEO CDs consist of tracks, and one track corresponds to one song. For some disks, a track consists of one index.

For VIDEO CDs with the PBC function, users can use a menu to execute play mode. At this time, the use of Repeat or Search function may not be enabled.

When operating some DVD-VIDEO disks, there may occur unavailable functions. Play may not be enabled according to the status of DVD-VIDEO disks. For disks recorded and produced in VIDEO format, the Play function of this product may not be provided due to disk characteristics, scratch or contamination on the surface of disks. Contamination and condensed materials of internal lens may cause play troubles. Also, owing to contamination of the selection of menus may not be provided. Play may be impossible for copied DVD-VIDEO disks.

Main KEY

- POWER ON / OFF

♣ Ref : All functions of this unit must be on ACC.



POWER

– POWER On/Off on Remote Control KEY(Left) and Front Button(Right).

- OPEN / CLOSE MONITOR



OPEN

– OPEN / CLOSE Monitor by Remote Control and Front Button.

- AUDIO CONTROL



– Control sound by Remote Control KEY(Left) and Front Button(Right).

- MAIN MENU



– Setting MAIN MENU by Remote Control KEY.

※ MAIN MENU – SYSTEM, PICTURE, SCREEN, SOUND SETTING.

- TIME



– Time ON/OFF display.

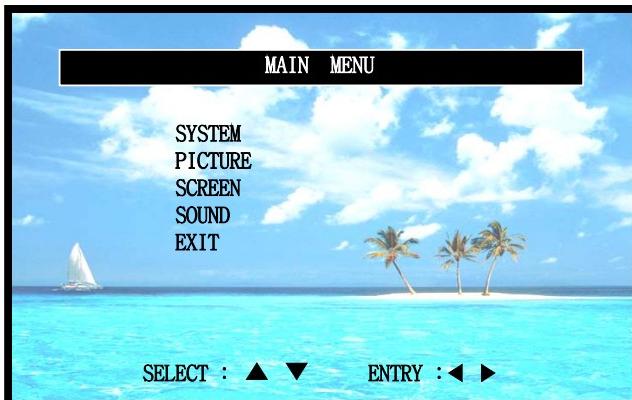
- DISC EJECT



– Eject CD

OSD Display Menu (Main Menu)

- MAIN MENU



Press MENU KEY and SEL KEY for the above picture. Push Arrows KEY of Remote Control.

◎ SYSTEM : Setting Time, ON/OFF Buzzer, REAR CAMERA ON/OFF,
NAVIGATION ON/OFF.

◎ PICTURE : BRIGHT, CONTRAST, COLOR, TINT, DIMMER.

◎ SCREEN : FULL, WIDE, NORMAL

◎ SOUND : FADER, BALANCE, TREBLE, BASS, WOOFER, CENTER

♣ Ref : Speaker Volume control is available when you press Menu KEY
of Remote Control or SEL KEY (Unit Front) with closing LCD monitor.
– FADER, BALANCE, TREBLE, BASS, CENTER, WOOFER
& BUZZER ON/OFF CONTROL : These functions are displayed
on LCD monitor.

System Menu (Page 1)

- SYSTEM MENU(PAGE1)

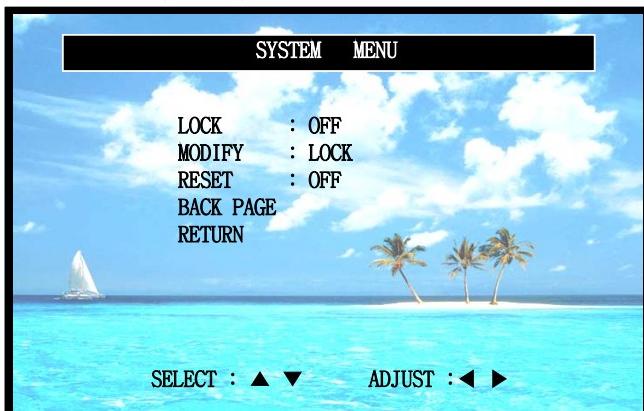


SYSTEM MENU has 2 pages. Move to SYSTEM MENU from selecting Arrow KEY of MAIN MENU for setting SYSTEM MENU.

- ◎ WATCH : Press Arrows Key for control of TIME.
- ◎ BUZZER : BUZZER ON/OFF when pressing Remote Control KEY and this unit's KEY.
- ◎ CAMERA : For setting REAR CAMERA.
 - A. When switch on CAMERA, AV2 will be changed into REAR CARMERA MODE.
Upon putting rear gear OSD of camera will appear.
 - B. When switch off CAMERA, CAMERA MODE is changed into AV2. Pleae select AV2 Mode for other line-out functions. When changing it into AV2 Mode, AV2 can be used for output.
- ◎ NAVI : NAVIGATION FUNCTION
 - A. Upon selecting NAVI KEY AV3 is changed into NAVI. Press NAVI KEY of Remote Control longer for seeing NAVIGATION DISPLAY.
 - B. NAVI OFF : NAVI MODE is changed into AV3 for other lineout functions.

System Menu (Page2)

-SYSTEM MENU(PAGE 2)



◎ LOCK : Lock Function

Be sure to enter Pass word for Lock Function when you turn on.

Initial Pass Word is "1234".

◎ MODIFY : Modify Pass Word Of Lock Function.

For changing pass word.

: Before P/W → New P/W Enter.

Please do not lose your P/W.

◎ RESET : Press this key "▶" to format this system for 3 seconds.

(Memorized Radio and TV Channel will be deleted.

All options of MENU will be formated)

◎ RESET : Press this key "▶" to format this system for 3 seconds.

Picture Menu

-PICTURE MENU



Press Picture KEY by UP/DW cursor for setting Picture Display.

◎ BRIGHT, CONTRAST, COLOR, TINT, DIMMER : By using UP/DW KEY or L/R KEY.

♣ Ref : BRIGHT Control (-15 ~ +15)

CONTRAST Control (-15 ~ +15)

COLOR Control (-15 ~ +15)

TINT Control (-15 ~ +15)

DIMMER Control (0 ~ 15)

Screen Menu

-SCREEN MENU



Press SCREEN KEY by UP/DW cursor for setting SCREEN DISPLAY (SCREEN SIZE).

- ◎ Adjust screen size (WIDE).
(FULL ▶ WIDE ▶ NORMAL)
 - ♣ Ref : FULL SCREEN
WIDE RATIO – 16:9 SCREEN
NORMAL – 4:3 SCREEN

Sound Menu (Page1)

-SOUND MENU(PAGE 1)



Press SOUND KEY by UP/DW cursor for setting SCREEN DISPLAY (Volume & Sound).

◎ FADER, BALANCE, TREBLE, BASS : BY UP/DW and L/R KEY.

- ♣ Ref : FADER – Front and Rear Speaker Control (F15 ~ R15)
BALANCE – Left and Right Speaker Control (L15 ~ R15)
TREBLE – High Sound Function (-7 ~ +7)
BASS – BASS Sound Function (-7 ~ +7)

Sound Menu (Page2)

-SOUND MENU(PAGE 2)



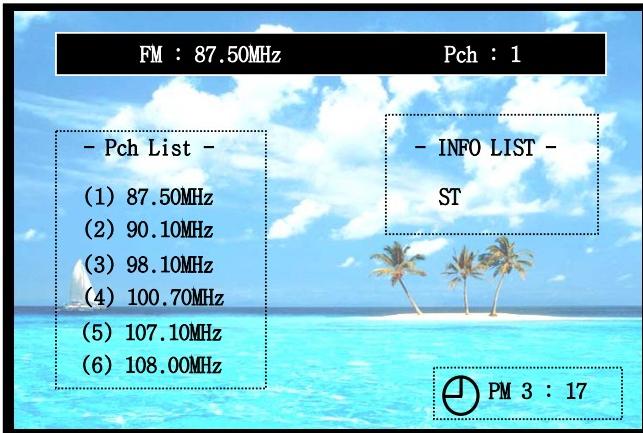
The second page of sound menu as the above will appear when pressing NEXT PAGE in page 1 of sound menu.

◎ WOOFER, CENTER : Control of WOOFER AND CENTER.

♣ Ref : WOOFER – Control of WOOFER Speaker (-7 ~ +7)

CENTER – Control of CENTER speaker (-7 ~ +7)

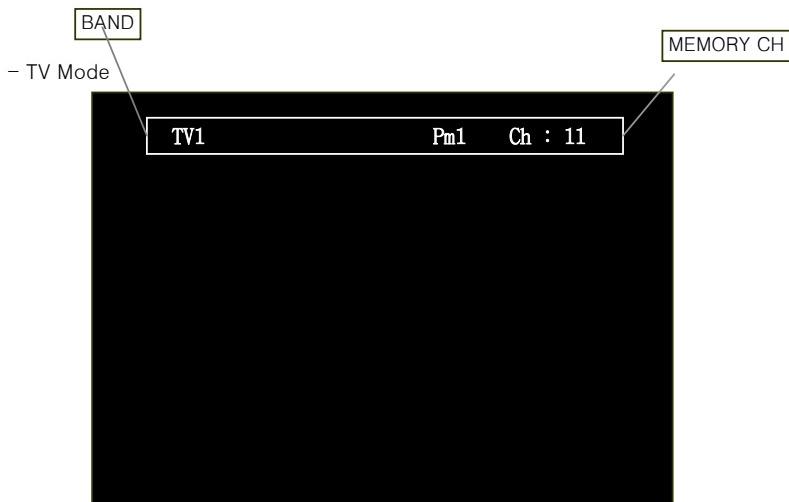
Radio Mode



Press Mode KEY of Remote Control & this unit's front button for Radio Mode Change.

- ♣ Ref : RADIO \leftrightarrow CD CHANGER \leftrightarrow AV1 \leftrightarrow AV2 \leftrightarrow AV3 \leftrightarrow TELEVISION \leftrightarrow DVD DECK
(CD changer may not appear on this OSD without setting CD changer.)
 - Frequency Modify : By pressing UP/DW KEY.
 - Band Modify : By pressing this unit's front button or Remote Control Button.
- ♣ Ref : FM1 \leftrightarrow FM2 \leftrightarrow FM3 \leftrightarrow AM1 \leftrightarrow AM2 \leftrightarrow AM3
 - Frequency Search : By pressing Button of Remote Control (SEEK+,SEEK-) & this unit's front button(Arrows Button) longer.
 - Save & Search Frequency : Save Frequency choosen to No1 ~ 6 by pressing AS/PS of this unit's front button or Remote Control.
 - Listening by using memories : Listen stored frequency by pressing Remote Control. (L/R KEY) & this unit's front button (UP/DW). Or Listen frequency by NO 1 ~ 6.
 - Save Frequency during listening :
Press Button No 1 ~ 6 longer for saving frequency you are listening.

TV Mode



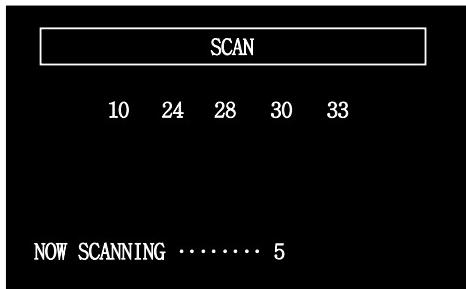
Press mode key of Remotoe Control & this unit's front button for TV MODE change.

- Band Modify : By pressing this unit's front button or Remote Control Button.
- Channel Modify : By pressing Remote Control Button
DVD(Arrows Button) longer.
- Save Channel during seeing : Save Channel choosen to No 1~6 by pressing MEM button of Remote Control.
- Forward Channel : See Channel by pressing RECALL KEY of Remote Control.

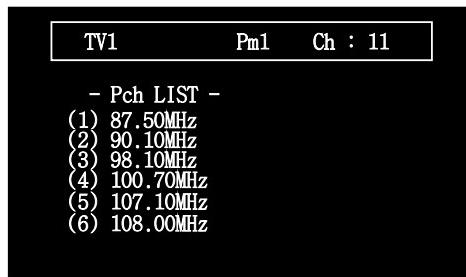
♣ Ref : RADIO☞CD CHANGER☞AV1☞AV2☞AV3☞TELEVISION☞DVD DECK

TV Mode

- TV Mode



- Save & Search Channel : Save Channel choosen to No 1~6 by pressing AS/PS button or Remote Control.
- Seeing by Saved Channel : Seeing saved Channel by pressing Remote Control (L/R KEY) or this unit's front button (UP/DW).



- Checking list of the memorized channels : Display saved channels on monitor during watching.
- Delete Channel : Press VIEW(KEY) shortly.

DVD Mode

DVD Mode



Press Modify KEY of Remote Control & this unit's front button
for DVD MODE (or insert CD for DVD MODE)

- Play of DISC
- Insert a DISC into a CD slot for play of DISC.
When you insert a disc, this unit will operate automatically.

Basic Disc Menu Control

- Basic PlayBack Control

PLAY/PAUSE() : Start playback or pause a disc is playing (Press again to restart playback).

STOP() : Stop playback

FR() : Press for fast backward search

FF() : Press for fast forward search

PREV() : Skip to the previous chapter

NEXT() : Skip to the next chapter

Basic DISC Menu Control

Some DVD discs contain menus. Sometimes these are displayed automatically when you start playback; others only appear when you press Menu or Title remote control.

TITLE button : Displays the top menu of a DVD disc

MENU button (Blue) : Displays a DVD disc menu–this varies with the disc and may be the same as the top menu.

RETURN button : Returns to the previously displayed menu screen.

Arrows button : Move the cursor around the screen.

ENTER button : Selects the current menu option.

Number button : Selects a numbered menu option.

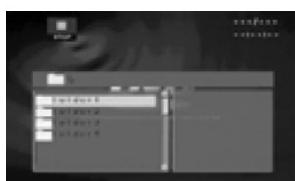
NOTE !

- When "  " appears on the TV screen while a button is pressed, it means that this function is not available on the disc you are playing.
- Depending on the DVD disc, some operations may be different or restricted. Refer to the jacket or case of disc you are playing.

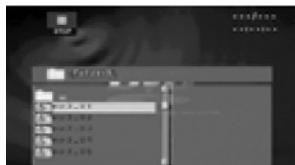
MP3 DISC

- PLAYING MP3 DISCS

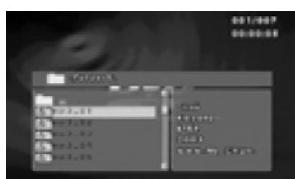
1. Insert the MP3 disc. Disc's label must be facing up.
2. MP3 menu screen is displayed automatically depending on MP3 disc's folder(directory) structure.
3. Using the UP(▲) or DOWN(▼) button to find the desired folder.
4. Press the ENTER button to select. The TV screen shows the file lists under the folder.



5. Using UP(▲) or DOWN(▼) button to find the desired MP3 title.
Press the ENTER button to select.



6. In the screen, the L/R key turns over pages, and the UP/DW key moves the
Press the Enter key, Replay starts.



MP3 DISC

7. If pressing the number of songs through using of Remote Control and a desired song is displayed.
8. Viewing the song being replayed : If pressing the RTN key of the Remocon when the cursor is at another song, the cursor moves to the song being replayed.

NOTE!

- The file name is only displayed in English.
- This DVD player is compatible with the "MPEG-2 Audio Layer 3 "," MPEG-2.5 Audio Layer 3", MP1, MP2, etc.
- This DVD player is not compatible with ID3-Tag.
- Do not play CD-R/RW discs containing any files other than music CD files, MP3 and JPEG files.
- Programmed playback is not possible with MP3 discs.
- When writing MP3 files on CD-R/RW discs, select "ISO6990 level 1" as the writing software format.

Fast Forward / Backward

Use the function to play the DISC contents in Fast Forward or Fast Reverse.

During searching, audio will be muted (except CD-DA).

1. Press the FR() of FF() button during disc play.



2. Press the PLAY/PAUSE () button to resume normal playback.

Skip Forward/Backward

Use this function to move to the next or previous chapter for DVD, track for VCD and CD-DA.

1. Press the PREV()button to go to the previous chapter or track.
2. Press the NEXT()button to go to the next chapter track.

NOTE!

- This function will not operate if there is only one chapter per a disc.

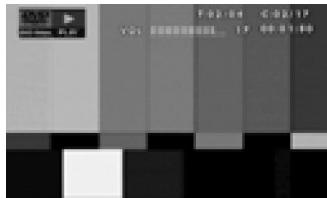
DVD Mode (Set Up Display & Language)

You can display the playback on TV screen as following :

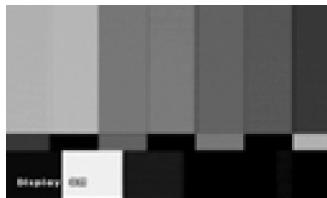
Title, Chapter Number, Playing Time, Disc.

1. Press the DISP button during play.

- Disc, Chapter(DVD), Track(CD-DA), Time information appears on screen.



2. To turn off the on-screen display, press the DISP button.



Selecting Audio Language

It is possible to change the audio soundtrack language to a different language from the one selected at the initial settings. It works only with discs on which multiple audio soundtrack languages are recorded. If the loaded disc supports multiple languages, you can select the audio language.

1. Press the AUDIO button repeatedly during playback.

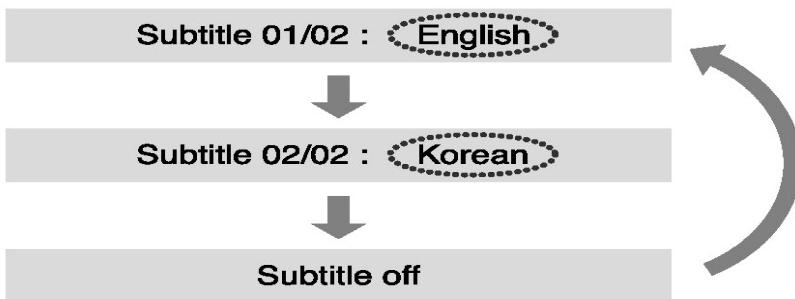
When you pressed, the audio language is changed.



Subtitle

When DVD is recorded with subtitles, you can see the subtitle features to view the subtitle on the screen.

1. Press the SUB/T button during disc play. The subtitle info banner appears. The default is Subtitle off. If no subtitle are recorded, the (Ø) icon will appear.



2. Press the SUB/T button repeatedly until the desired subtitle language is displayed.
3. To turn subtitle off, press the SUB/T button until Subtitle off is displayed.

NOTE!

- This function depends on DISCS. There are some DVD discs to prevent from selecting subtitle even if it supports multiple subtitles. In this case, the subtitle should be selected via disc menu.

Multi Mode Play

Multi Mode Play – TITLE, CHAPTER (DVD), TRACK (CD-DA)

You can select Play and Repeat mode for desired title, chapter(DVD), track(CD-DA)

1. Press the Multi Mode Button (M/M-) during play.

– When press the Multi Mode (M/M) Button, it will be changed
as the belows.

CD-DA : TRACK REPEAT ↵ ALL REPEAT ↵ SHUFFLE

MP3 : RANDOM ↵ SINGLE ↵ REPEAT ONE ↵ REPEAT FOLDER

↵ FOLDER ↵ SHUFFLE

DVD : CHAPTER REPEAT ↵ TITLE REPEAT ↵ SHUFFLE

2. For Multi Mode Play, press and hold the M/M button until "SHUFFLE"
is displayed.

3. 3D SOUND Setting

Press 3D KEY of remote control when a disc is playing.

– DVD DISC(EQUALIZER) : ROCK ↵ POP ↵ LIVE ↵ DANCE ↵

TECHNO

↵ CLASSIC ↵ SOFT ↵ OFF

– CD-DA, MP3, VCD(REVERB) : CONCERT ↵ LIVING ROOM ↵ HALL

↵ BATH ROOM ↵ CAVE ↵ ARENA ↵ CHURCH ↵ OFF

NOTE !

When playing DVD disc or other discs, Set-Up function is different from using
KEY of Remote Control and This Unit. But this unit is available to operate function of Equalizer &
Reverb at the same time. Therefore users have to remember this important point that users can
control each effect of these functions, because the only method to set up Equalizer & Reverb
is different. If you want to delete "REVERB" function on screen when replaying DVD disc
after changing REVERB SET UP, please use DVD Set Up Menu.

Ex) : If users play other DVD DISC after setting with Reverb Cave in case of playing MP3 DISC,
Cave effect will be operated. And if users want to delete this fuction, users need to
Reverb Off of DVD Main Setup Menu.

Repeat (A/B)

1. During playback, press the A/B button at the beginning of the desired section.



2. Press the A/B button again at the end of the section. "AB" will be displayed on the screen then the A/B section is continually repeated.



3. To resume normal playback, press the A/B button repeatedly until the repeat mode indicator disappears on screen.

Zoom Mode

ZOOMING A PICTURE

1. Press the ZOOM button during playback
2. Each press of the ZOOM button changes the zoom mode in the following

2x → 3x → 4x → 1/2 → 1/3 → 1/4 → NORMAL

3. If you press the direction button during the ZOOM mode, the ZOOM point will shift.
4. To resume normal playback, press ZOOM button repeatedly until the repeat mode

SWITCHING THE CAMERA ANGLE

Some DVDs contain scenes that it has been shot simultaneously from multiple angles.

1. Press the ANGLE button on the remote control during disc play. The ANGLE icon appears. If no additional camera angle are recorded, the (Ø) icon will be displayed.
2. If multiple camera angles are recorded, the ANGLE icon displays the current angle number and the number of availability.

DVD Mode (Repeat A Specific Section)

SECTION REPEAT

1. Press "A/B" button for repeating a specific section users want.



2. Press "A/B button" one more time for replaying section between A and B.



3. Press "A/B" button one more until "AB" disappears when returning to normal play mode.

DVD Mode (VCD PBC Function)

PBC (PLAY BACK CONTROL) function is available only for compatible Discs.

Users can control On and Off with PBC button of remote control after inserting a Disc.

- ♣ Ref : PBC is the same function as SKIP FORWARD function for selecting track.



PBC main screen appears by pressing PBC key when watching a VCD.

DVD Mode (DVD Control Mode On Operation)

DVD Control Mode on operation.

Press GOTO KEY on operation for the below OSD picture.



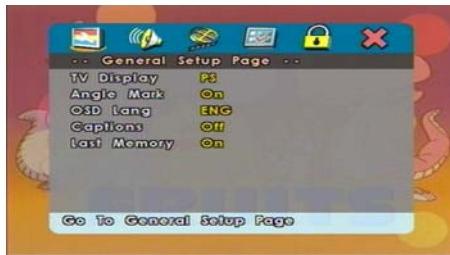
Users can use ENTER AND REMOTE CONTROL KEY on operation.

DVD Mode (DVD – General Setup)

– DVD Setup menu appears if you press SET UP KEY longer.

This function needs to be no disc in the DVD player on operation. All functions of SET UP MENU are possible to select in case of NO DISC.

Some functions of SET UP MENU are available to select on playing DVD.



Users can select arrows button(key) of remote control for set up.

General Set Up Page

TV Display : PAN & SCAN, LETTER BOX, WIDE

1. PAN & SCAN : It is for viewing TV.

Formated picture by PAN – SCAN displays as the above. (16:9)

2. LETTER BOX

3. WIDE : It is for WIDE SCREEN TV.

Angle Mark (On/Off) : For display of Angle Mark On & Off.

OSD Lang : Set up languages during operation of DVD.

(English & Chinese)

Caption (On/Off)

Last Memory (On/Off) : This function is for storing the latest screen

when power off.

Stored screen will start when power on.

DVD Mode (Audio Setup)

- AUDIO SETUP PAGE



DOWNMIX : According to Audio system connected in DOWNMIX of speaker setup, users can select LT/RT (TV mono), STEREO(TV stereo), V surround(surround), OFF (5.1CH speaker).

FRONT SPEAKER : Large One for Wideband is available to low frequency.
Small One is for normal.

CENTER SPEAKER : In case of using center speaker you can select
"Large or Small" according to the types.

REAR SPEAKER : In case of using rear speaker you can select "Large or Small"
according to the types.

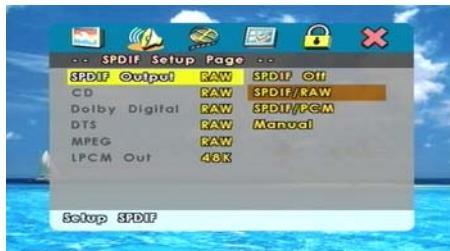
SUB WOOFER : Select "ON" for using woofer speaker.

TEST TONE : Sound test for each speaker.

POST DRC : Set Up for DRC.

DVD Mode (Audio Setup)

- SPDIF SETUP



Set up Digital Audio Output

1. SPDIF OUTPUT

It can be used when digital amp is connected with this function.

2. When setting up SPDIF OUTPUT by MANUAL,

audio output format will be selected according to each audio format.

When choosing PCM commonly in DIGITAL/DTS/MPEG/CD/DOLBY,
audio stream composed of PCM date outputs at a decoded PCM data.

- DOLBY DIGITAL : When choosing RAW, DTS stream outputs.

Please set up this mode if your digital AMP will be able to support
DTS decoding.

- MPEG : When choosing RAW, MPEG audio stream outputs.

Please set up this mode if your digital AMP will be able to support
MPEG audio stream.

- PCM CHANNEL : PCM data of selected channel stream outputs.

3. LPCM OUT

- Sample frequency may set up for LINEAR PCM .

If A/V receiver is possible up to 96K, users can set up 96K.

DVD Mode (Audio Setup)

-DOLBY DIGITAL SETUP



DUAL MONO : This function is for Mono Audio & TV.

DYNAMIC : This function is for TV sound ,
or Stereo System troubles.

Please control with Arrows Key
after pressing ENTER.

-CHANNEL DELAY



When setting up SURROUND SYSTEM,
users can control the correct position of speakers
on each different position.
Users can enter by Arrows Key.

-EQUALIZER



EQ TYPE : Select EQUALIZER users want.
(ROCK,POP,LIVE,DANCE,TECHNO,CLASSIC,SOFT)

BASS BOOST : Low Sound Control

SUPER BASS : For specific BASS.

TREBLE BOOST : For TREBLE.

DVD Mode (Audio Setup)

-3D PROCESSING



PRO LOGIC II : It plays with 5.1CH with upgraded matrix decoder.

1. MODE : Select Project II Mode

2. PANORAMA : It plays panorama sound effectively and broadly.

3. DIMENSING : Control of volume between rear and front speaker.

It is for 2 CH.

4. CENTER WIDTH : It plays sound coming out from Front and Left/Right speakers.

REVERB MODE : Users can enjoy various sound effects like actual sound.

Available set up

- (CONCERT,LIVING ROOM,HALL,BATHROOM,CAVE,ARENA,CHURCH)

DVD Mode (Video Setup)

-QUALITY



CONTRAST : Control by using Arrows Button.

GAMMA : Control by using Arrows Button.

HUE : Control of Color tone by Arrows Button.

SATURATION : Control by using Arrows Button.

LUMA DELAY : Control of image quality by selecting Luma(Y signal) Delay.

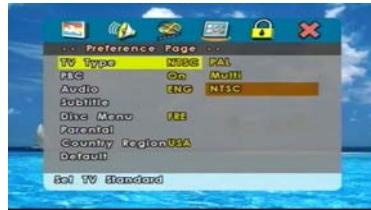
SHARPNESS : This function is for Screen Sharpness.

Control by using Arrows Button.

BRIGHTNESS : Control by using Arrows Button.

DVD Mode (DVD Setup-Preference)

- TV TYPE



Select VIDEO SIGNALS and NTSC or PAL SYSTEM. Mutil for auto select.

Select MULTI if users want to change automatically.

In case of selecting MULTI the screen may blink for a while.

KOREA – NTSC system.

- PBC



Users select On/OFF of PBC on playing VIDEO CD.

- AUDIO



Select specific language of Audio on playing DVD.

(Discs may supports specific languages)

DVD Mode (DVD Setup–Preference)

- SUBTITLE



Specific language may set up on playing DVD.

(Each language is different according to Disc)

- DISC MENU



Users can select specific language according to Discs.

- PARENTAL



This function for protecting childrens from the prohibited movie.

Users can select LEVEL out of 8 LEVELS. It may not be limited in case of Adult.

DVD Mode (DVD Setup-Preference)

- PASSWORD MODE



Users can change pass word with choosing ON/OFF..

- PASSWORD



Firstly set up pass word change.

Enter 4 digits(pass word) users want.
(Include existing and new pass word)

Select "OK" after entering new pass word.

Note!

- Do not lose your pass word.

- Users can not change new pass word
without existing one.

- Initial pass word is " 1356900 ".

DVD Mode (DVD Setup-EXIT)

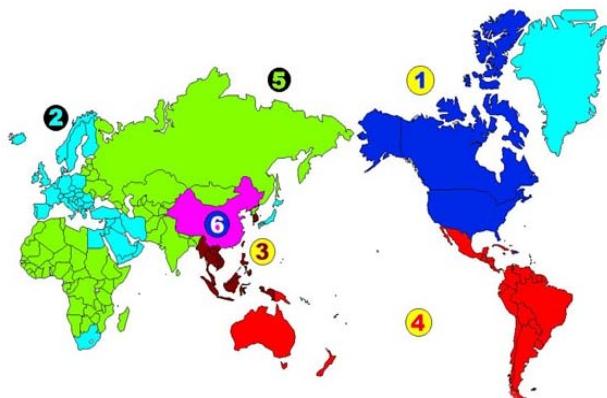
- EXIT



If you want to exit from DVD SETUP MENU, please select EXIT and press ENTER.

♣ Ref : DVD DISC REGION CODE

Before playing DVD, please check connection between TV & SPEAKERS INPUTS and OUTPUTS correctly.
Select external INPUT after pressing TV / OUTPUT button.
Be sure to check Region Code of DVD Player.
DVD player may not be playing with a different region code.



DVD Mode (Random Play)

Random Play

This function is used to play the Title,Chapter and Tracks on the disc in order to desired procedures.

1. Press the PROG button on remote controller. Program menu is displayed on screen.
2. Select the Title,Track NO is displayed on the TV screen.



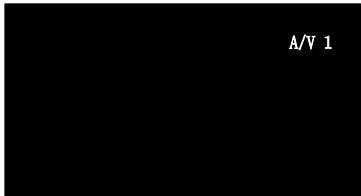
3. If you want to select other title, chapter and track and then repeat the previous steps.
Program playing is available up to NO 20.
4. When finished, using the UP(▲) or DOWN(▼) button to select the "Start".



5. If you need to stop play mode, press Program one more.
Select "Stop" by UP(▲) or DOWN(▼) button.

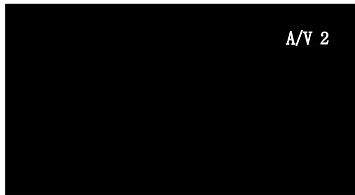


OSD Menu (A/V, NAVI, CAMERA)



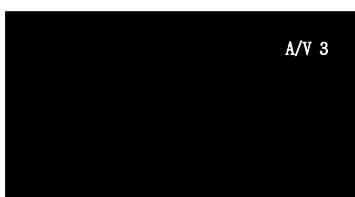
A/V 1

If switching Off CAMERA & NAVI, it displays as the left picture when changing MODE. At this time users can use sounds and pictures of other devices that they are connected with AV1, AV2, and AV3



A/V 2

AV2 : Users can use on CAMERA MODE ON. If putting rear gear on CAMERA MODE ON, the rear camera will be available.

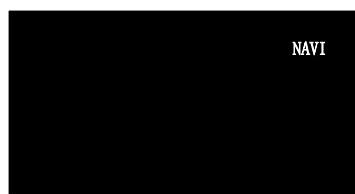


A/V 3

AV3 : It is available to change NAVI directly with pressing NAVI button at NAVI MODE ON and with pressing MODE key. If selecting NAVI MODE, users can listen existing sound continuously and the picture for NAVIGATION will display.



CAMERA



NAVI

CD & DVD Changer Mode (Option)



- If CDC of the AV BOX was mounted on, CDC will play after pressing MODE key.
- Changer Display : It displays the count of DISC (6 Discs or 12 Discs).
- Current DISC : It displays the number of DISC is playing.
- Current TRACK : It displays the number of TRACK is playing.
- DISC Status : It displays whether DISC is inserted or not.

NOTE !

Users need to select the number of DISC for 6 DISCS changer.

Automatically 12 DISCS changer may be searched at every change.

NOTE !

Available CD Changer – SHIN HEUNG

Available DVD Changer – SANYO & SHIN HEUNG

CD & DVD Changer Mode (Option)

- DISC Change : Through the use of the  key and the  key, DISC can be changed.
- TRACK Change : Through the use of the  key and the  key, TRACK can be changed.
- RANDOM Replay : By pressing the  key during Replay, you can perform random replay.
But, random replay is done only for DISC that has been replayed.

Press Shortly >> RANDOM

Press Longer >> ALL RANDOM

- REPEAT : By pressing the  key during Replay, you can set Repeat.

Press Shortly >> REPEAT

Press Longer >> ALL REPEAT

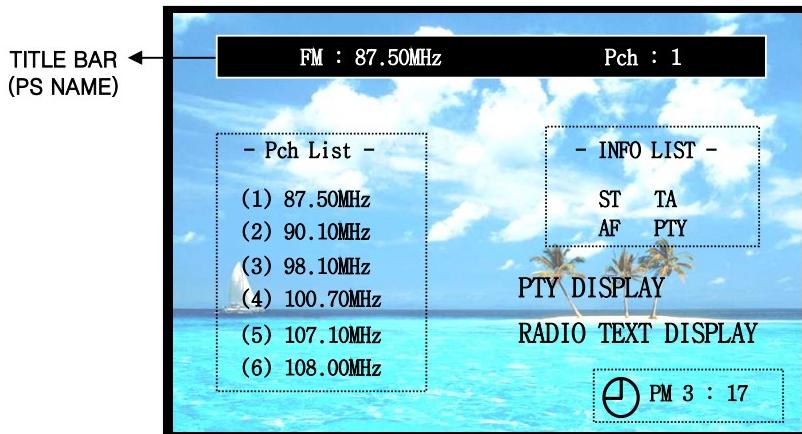
- INTRO Function : If pressing "  " key, initial each selected song may be introduced for 10 seconds with pressing shortly and No 1 song of each disc may be introduced with pressing longer (ALL REPEAT).

INTRO FUNCTION – For all of Songs

ALL INTRO – For the first song

♣ Ref : "INTRO" – Users can listen to music only for 10 secs out of each song.

RDS Radio (Europe)



RDS is available only in Europe, users can control PTY, AF, TA button of Remote Control on Radio Mode.

(When using this function, displays for PTY, AF and TA appears on monitor.

1. Program Type (PTY)

It shows type of 31 programs, and it can be used for auto tune.

2. List of Alternative Frequency (AF)

A Receiver to store frequencies will save time to change with other frequency.
Some broadcast in an adjacent area transmits other broadcanst's frequency till 25.

3. Traffic Announcement Identification (TA)

It is for Traffic Information.

RDS Radio (Europe)

RDS Information

AF : If this frequency sensitivity is low, AF will be blinking on monitor.

When frequency is complete, the blinking stops.

TA

- ON RADIO MODE

TA indicator will be blinking for searching channels when this unit receives TA signal.

And then TA changes when it is completed to find channels.

- ON OTHER MODE

Channel searing will start by TA on RADIO MODE. And then if searching is finished, sound levels up to 3.

When TA signal doesn't work, it will return into previous mode and sound will level down.

TA indicator will stop blinking when TA broadcasting finishes, and then it will return to the first procedure.

PTY

- Press Button "PTY" shortly for On/OFF.

- PTY menu displays when users press button "PTY" longer.

If selecting PTY or ENTER after choosing some menu by Up/Down button, channel searching will start. (You can cancel searching by entering PTY button.

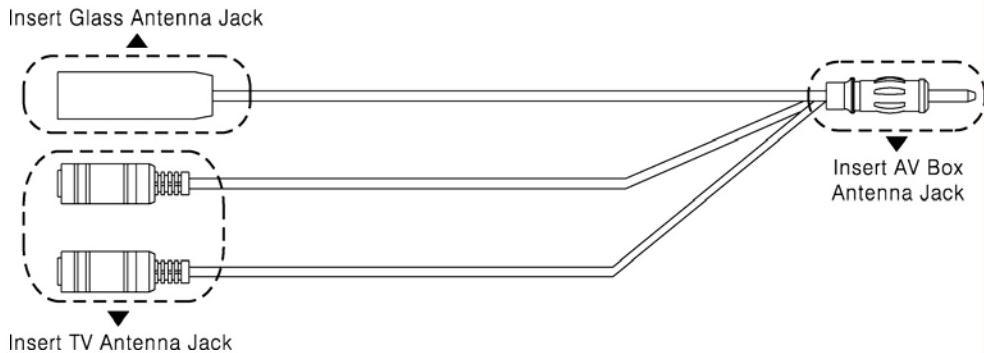
The light of the indicator stops blinking after channel searching is completed.

PTY MENU LIST

1. NEWS	11. RELIGION	21. POP M
2. DOCUMENTS	12. SOCIAL	22. VARIED
3. FOLK M	13. CHILDREN	23. SCIENCE
4. OLDIES	14. FINANCE	24. CULTURE
5. NATIONAL M	15. WETHER	25. DRAMA
6. COUNTRY	16. OTHER M	26. EDUCATE
7. JAZZ	17. CLASSICS	27. SPORT
8. LEISURE	18. LIGHT M	28. INFO
9. TRAVEL	19. EASY M	29. AFFAIRS
10. PHONE IN	20. ROCK M	

Glass Antenna Provider

- * Please use TV Antenna with Antenna Provider as the below picture when installing this antenna on cars, which applies to Glass Antenna.



Limited Warranty

One (1) Year Limited Warranty

WHO IS COVERED?

A proof of purchase is required to receive warranty service.

A sales receipt or other document showing original date of purchase is considered proof of purchase.

Warranty repair is one(1) year limited warranty coverage :

* Parts and labor are included under warranty repair :

WHAT IS NOT COVERED?

NOTE : If you don't have proof of purchase, then your unit will be considered out-of-warranty. Out-of-warranty will be charged at a flat labor rate, including any necessary parts.

WHAT IS EXCLUDED?

Your warranty does not cover :

* Labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.

* Product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of its manufacturer.

* A product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.

* Incidental or consequential damages resulting from the product. (Some states do not allow the incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)

MAKE SURE YOU KEEP

Please keep your sales receipt or other document showing proof of purchase.

Also keep the original box and packing material in case you need to return your product.

MODEL NO :

CUSTOMER SUPPORT

This warranty gives you specific legal rights.

You may have other rights which vary from state/province to state/province

USER'S MEMO

USER'S MEMO

USER'S MEMO